

In the Claims:

1-2. (Cancelled)

3. (Currently Amended) A method according to Claim 125, wherein, when there are more than one deferred location request against the target UE in activated state, for each of the deferred location request in activated state, performing by the LCS system the privacy check.

4. (Currently Amended) A method according to Claim 125, wherein performing a privacy check comprises:

for the deferred location request, the LCS system comparing saved information of the deferred location request with the updated privacy profile of the target UE, deciding whether the saved information of the deferred location request satisfies a condition of the target UE's updated privacy profile to allow the location information of the target UE to be provided to the LCS client, if the condition to allow the location information of the target UE to be provided to the client is satisfied, the deferred location request passing the privacy check; otherwise, if the condition is not satisfied, the location request not passing the privacy check.

5. (Previously Presented) A handling method after updating of privacy profile of a target UE, the method comprising:

when a location service (LCS) system is aware that a privacy profile of the target UE was updated, for a deferred location request in activated state against the target UE, the deferred location request being from a LCS client requesting for location information of the target UE, the LCS system performing a privacy check based on the updated privacy profile of the target UE,

if the deferred location request passes the privacy check, the LCS system continuing to

handle the deferred location request;

otherwise, if the deferred location request does not pass the privacy check, the LCS system initializing a cancellation procedure to the deferred location request,

wherein the deferred location request is a UE available event location request, and initiating the cancellation procedure comprises the steps of:

a Gateway Mobile Location Center (GMLC) of the LCS system sending to a Core Network (CN) a request for cancelling the deferred location request, the cancellation request carrying an identification of the UE available event location request;

the CN deleting saved information corresponding to the UE available event location request in accordance with the received identification of the UE available event location request, and then sending to the GMLC a message of acknowledgement of the cancellation of the UE available event location request;

the GMLC deleting saved information corresponding to the UE available event location request in accordance with the identification of the UE available event location request upon receiving the acknowledgement message from the CN.

6. (Previously Presented) A handling method after updating of privacy profile of a target UE, the method comprising:

when a location service (LCS) system is aware that a privacy profile of the target UE was updated, for a deferred location request in activated state against the target UE, the deferred location request being from a LCS client requesting for location information of the target UE, the LCS system performing a privacy check based on the updated privacy profile of the target UE,

if the deferred location request passes the privacy check, the LCS system continuing to

handle the deferred location request;

otherwise, if the deferred location request does not pass the privacy check, the LCS system initializing a cancellation procedure to the deferred location request,

wherein the deferred location request is a change of area event deferred location request, and the initiating the cancellation procedure to the deferred local request comprises the steps of:

a Gateway Mobile Location Center (GMLC) initiating to a Core Network (CN) a request for cancelling the change of area event location request, the request for cancelling carrying an identification of the change of area event location request, and the CN sending to the target UE a cancellation request carrying the identification of change of area event location request;

the target UE deleting information saved in the target UE corresponding to the change of area event location request in accordance with the identification of the change of area event location request upon the reception of the cancellation request from the CN, and sending to the CN a message of acknowledgement of the cancellation of the change of area event location request, and the CN forwarding to the GMLC the acknowledgement message for notifying the cancellation the change of area event location request;

the GMLC deleting saved information corresponding to the change of area event location request in accordance with the identification of the change of area event location request upon receiving the acknowledge message from the CN.

7. (Previously Presented) A method according to Claim 5, the method further comprising:
the GMLC sending to the LCS client a notification for notifying the cancellation of the UE available event location request.

8. (Currently Amended) A method according to Claim ~~125~~, wherein the procedure of the location service system is aware that the privacy profile of the target UE was updated comprises:

a Privacy Profile Register (PPR) sending to a GMLC of the LCS system an LCS Privacy Profile Update Notification.

9. (Previously Presented) A method according to Claim 8, after the PPR sends the LCS Privacy Profile Update Notification, the method further comprising: the GMLC returning to the PPR an LCS Privacy Profile Update Notification ACK.

10. (Currently Amended) A method according to Claim ~~125~~, the method further comprising: the LCS system sending to the LCS client a notification of the cancellation of the deferred location request.

11. (Previously Presented) A method according to Claim 6, the method further comprising: the GMLC sending to the LCS client a notification of the cancellation of the change of area event deferred location request.

12. (Cancelled)

13. (Currently Amended) A method according to claim ~~125~~, wherein, if the LCS client is allowed to have the location information of the target UE, the deferred location request passes the privacy check; if the LCS client is not allowed to have the location information of the target UE, the deferred location request does not pass the privacy check.

14. (Cancelled)

15. (Currently Amended) The method according to claim 125, wherein the privacy profile of the target UE is stored in a mobile location centre or a privacy profile register (PPR) of the location system.

16-24. (Cancelled)

25. (New) A method according to Claim 6, wherein, when there are more than one deferred location request against the target UE in activated state, for each of the deferred location request in activated state, performing by the LCS system the privacy check.

26. (New) A method according to Claim 6, wherein performing a privacy check comprises:
for the deferred location request, the LCS system comparing saved information of the deferred location request with the updated privacy profile of the target UE, deciding whether the saved information of the deferred location request satisfies a condition of the target UE's updated privacy profile to allow the location information of the target UE to be provided to the LCS client, if the condition to allow the location information of the target UE to be provided to the client is satisfied, the deferred location request passing the privacy check; otherwise, if the condition is not satisfied, the location request not passing the privacy check.

27. (New) A method according to Claim 6, wherein the procedure of the LCS system is aware that the privacy profile of the target UE was updated comprises:

a Privacy Profile Register (PPR) sending to a GMLC of the LCS system an LCS Privacy Profile Update Notification.

28. (New) A method according to Claim 27, after the PPR sends the LCS Privacy Profile Update Notification, the method further comprising: the GMLC returning to the PPR an LCS Privacy Profile Update Notification ACK.